





EQUIPMENT SCHEDULE

AIR-COOLED CONDENSING AND FAN COIL UNITS																							
MARK NO.	AREA SERVED	DESCRIPTION	TYPE	COOLING CAPACITY (BTUH)		SA (CFM)	OA (CFM)	EXT S.P. (IN)	ENTERING AIR TEMPERATURE (°F)		LEAVING AIR TEMPERATURE (°F)		ELECTRICAL CHARACTERISTICS			VOLTS	PHASE	HERTZ	REFRIGERANT TUBE SIZE ("OD)			WEIGHT (LBS)	REMARKS
				TOTAL	SENSIBLE				DB	WB	DB	WB	COMP RLA	FAN FLA					RS	RL	ACD		
														COND	EVAP								
<div>ACCU 1</div> <div>FCU 1</div>																							

PACKAGE COOLING UNITS																			
MARK NO.	AREA SERVED	COOLING CAPACITY (BTUH)		SA (CFM)	OA (CFM)	EXT S.P. (IN)	ENTERING AIR TEMPERATURE (F)		LEAVING AIR TEMPERATURE (F)		ELECTRICAL CHARACTERISTICS			VOLTS	PHASE	HERTZ	ACD	WEIGHT (LBS)	REMARKS
		TOTAL	SENSIBLE				DB	WB	DB	WB	COMP RLA	FAN MOTOR, FLA	COND EVAP						
	ZONE 1 HEAT ROOM	93,188	85,630				87	83	54	49									
	ZONE 1 FIRING LANES	179,992	161,211				87	83	54	49									

EXHAUST FANS													
MARK NO.	AREA SERVED	TYPE	CAPACITY (CFM)	ESP (IN.W.G.)	MAX. SONES	FAN RPM	MOTOR				REMARKS		
							HP	VOLTAGE	PHASE	HERTZ			
	TOILET	DIRECT DRIVE IN-LINE CABINET FAN	150	0.25	2.8	XXXX	217 WATTS	115	1	60	"GREENHECK" MODEL CSP-A510 OR EQUIVALENT INTERLOCK WITH LIGHT SWITCH		

WATER HEATER SCHEDULE									
MARK NO.	AREA SERVED	FIXTURE	STO. CAPACITY (GALLONS)	TEMP RISE (F)	ELECTRICAL DATA				REMARKS
					KW	VOLTAGE	PHASE	HERTZ	
	RESTROOM	LAVATORY AND SINK	50	60					UL LISTED AND APPROVED. DUAL NON-SIMULTANEOUS HEATING ELEMENTS

LEGEND AND ABBREVIATIONS									
SYMBOL	ABBR	DESCRIPTION		SYMBOL	ABBR	DESCRIPTION			
	DIFF	DIFFUSER			LBS	POUNDS			
	FD	FLEXIBLE DUCT			LVG	LEAVING			
	PCU	PACKAGE COOLING UNIT			MAX	MAXIMUM			
	VD	MANUAL VOLUME DAMPER			MIN	MINIMUM			
	T	THERMOSTAT AND FAN SWITCH (48" AFF)			MISC	MISCELLANEOUS			
	TS	TEMPERATURE SENSOR			NIC	NOT IN CONTRACT			
	SD	SMOKE DETECTOR			NO	NUMBER			
	ACD	AIR CONDITIONING DRAIN			OA	OUTSIDE AIR			
	AFF	ABOVE FLOOR FINISH			OAD	OUTSIDE AIR DUCT			
	A/P	ACCESS PANEL			O.C.	ON CENTER			
	ATFP	ANTI TERRORIST FORCE PROTECTION			OD	OUTSIDE DIAMETER			
	BTUH	BRITISH THERMAL UNITS PER HOUR			PH	PHASE			
	CFM	CUBIC FEET PER MINUTE			PSIG	POUNDS PER SQUARE INCH (GAUGE)			
	C.O.	CLEAN OUT			QTY	QUANTITY			
	C.O.T.G.	CLEAN OUT TO GRADE			REF	REFRIGERANT			
	COMP	COMPRESSOR			RAD	RETURN AIR DUCT			
	CONC.	CONCRETE			RL	REFRIGERANT LIQUID LINE			
	COND	CONDENSER			RLA	RATED LOAD AMPERES			
	CON'T.	CONTINUATION/CONTINUED			RPM	REVOLUTIONS PER MINUTE			
	DB	DRY BULB			RR	RETURN AIR REGISTER			
	DDC	DIRECT DIGITAL CONTROLLER			RS	REFRIGERANT SUCTION LINE			
	DL	DOOR LOUVER			SA	SUPPLY AIR			
	DWG	DRAWING			SHMTL	SHEET METAL			
	EA	EACH			SSTL	STAINLESS STEEL			
	EAD	EXHAUST AIR DUCT			TEMP	TEMPERATURE			
	EMS	ENERGY MONITORING SYSTEM			THK	THICK (-NESS)			
	ESP	EXTERNAL STATIC PRESSURE			T-STAT	THERMOSTAT			
	ER	EXHAUST AIR REGISTER			TSP	TOTAL STATIC PRESSURE			
	EVAP	EVAPORATOR			TV	TURNING VANE			
	EXT	EXTERNAL			TYP	TYPICAL			
	FLA	FULL LOAD AMPERES			V	VOLTAGE			
	FT	FEET			VD	VOLUME DAMPER			
	HP	HORSEPOWER			WB	WET BULB			
	IN	INCHES			WG	WATER GAUGE			
	LAT	LEAVING AIR TEMPERATURE			WT	WEIGHT			

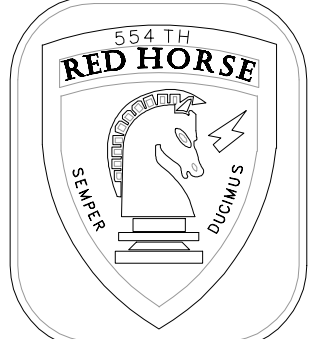
MECHANICAL GENERAL NOTES:

- CONFORM TO ALL REQUIREMENTS OF THE BUILDING, MECHANICAL AND ELECTRICAL CODES, U.S. AIR FORCE BASE AGENCIES HAVING JURISDICTION, AND OTHER APPLICABLE REGULATIONS FOR THE PROJECT.
- INSTALLATION SHALL BE GUARANTEED TO BE FREE FROM DEFECTS FOR ONE YEAR FROM DATE OF FINAL ACCEPTANCE OF THE PROJECT AS A WHOLE.
- ALL DIMENSIONS SHOWN FOR DUCTWORK ARE NET INSIDE DIMENSIONS.
- THOUGH SOME OFFSETS AND TRANSITIONS ARE SHOWN IN PIPING AND SHEETMETAL TO HELP INDICATE THE PHYSICAL RELATIONSHIP BETWEEN THEM, IT IS NOT THE INTENT OF THE DRAWINGS TO SHOW ALL PIPING AND SHEETMETAL OFFSETS AND TRANSITIONS REQUIRED. THE CONTRACTOR SHALL COORDINATE THE MECHANICAL WORK WITHIN ITSELF AND THE WORK OF ALL TRADES TO PROVIDE COMPLETE AND OPERABLE SYSTEM WITHOUT INTERFERENCES.
- REDUCTION IN DUCT DEPTH SHALL BE MADE BY KEEPING THE DUCT FLAT ON BOTTOM UNLESS OTHERWISE INDICATED ON DRAWINGS.
- COORDINATE ALL EQUIPMENT CONNECTIONS WITH MANUFACTURER'S CERTIFIED DRAWINGS. COORDINATE AND PROVIDE ALL DUCT AND PIPING TRANSITION REQUIRED FOR FINAL EQUIPMENT CONNECTIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE ALL DUCT AND PIPING DIMENSIONS BEFORE FABRICATION.
- INSTALL ALL MECHANICAL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS.
- ALL EXISTING PIPING, DUCTWORK, ETC. TO REMAIN AS IS UNLESS OTHERWISE NOTED.
- ADEQUATE PROTECTION SHALL BE PROVIDED TO EXISTING BUILDING AND/OR EQUIPMENTS WITHIN THE WORK AREA TO AVOID AND/OR MINIMIZE DAMAGE. ANY DAMAGES THAT IS DUE TO NEGLIGENCE OF CONTRACTOR SHALL BE REPAIRED & RESTORED TO MATCH EXISTING AT NO ADDITIONAL COST TO THE CONTRACT.
- CONTRACTOR SHALL REMOVE DEMOLITION DEBRIS COMPLETELY. CONTRACTOR SHALL SCHEDULE WITH THE BUILDING OWNER THE TIME, LOCATION AND HAULING ROUTE.
- COORDINATE ALL WORK WITH OTHER TRADES TO AVOID INTERFERENCES AND DELAYS. CONTRACTOR SHALL PHASE CONSTRUCTION TO MINIMIZE DOWN TIME OF THE FACILITY.
- PREPARE SIX (6) SETS OF SHOP DRAWINGS SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO START OF WORK. PREPARE ONE SET OF REPRODUCIBLE AS-BUILT DRAWINGS SHOWING ACTUAL INSTALLED CONDITIONS AND SUBMIT TO THE OWNER UPON COMPLETION OF WORK.

INSTALLATION:

- PREPARATION: VISIT THE WORKSITE AND BECOME FULLY AWARE OF ALL EXISTING CONDITIONS. INVESTIGATE THE CONTRACT DOCUMENTS AND MAKE PROPER PROVISIONS TO AVOID INTERFERENCES OR CONSTRUCTION DELAYS. FURNISH OTHER TRADES WITH INFORMATION TO PROPERLY LOCATE AND SIZE OPENINGS IN THE STRUCTURE REQUIRED FOR THIS WORK. FURNISH ANCHOR BOLTS, SLEEVES, INSERTS AND SUPPORT REQUIRED FOR THIS WORK.
- INSTALLATION: PERFORM WORK USING PERSONNEL SKILLED IN THE TRADE INVOLVED. PROVIDE COMPETENT SUPERVISION. FURNISH NEW EQUIPMENT, MATERIALS, AND ACCESSORIES BEARING THE MANUFACTURER'S IDENTIFICATION, AND CONFORMING TO THE RECOGNIZED COMMERCIAL STANDARDS. PROVIDE EXTRA MATERIALS AND LABOR FOR A COMPLETE OPERABLE SYSTEM AT NO EXTRA COST TO THE OWNER.
- FIELD QUALITY CONTROL: TEST SYSTEMS IN ACCORDANCE WITH APPLICABLE STANDARDS, CODES AND MANUFACTURER'S RECOMMENDATIONS. PERFORM TESTS IN THE PRESENCE OF, AND TO THE SATISFACTION OF INSPECTORS HAVING JURISDICTION OVER THE WORK. ASK FOR FINAL INSPECTION BY THE ENGINEER AFTER ALL TESTS, ADJUSTMENTS AND BALANCING HAS BEEN PERFORMED.
- BALANCING, ADJUSTMENT AND CLEANING: CLEAN UP WORK AREAS AND FIXTURES. ADJUST SYSTEM FOR PROPER OPERATION, READY FOR USE. TOUCH UP WITH MATCHING PAINT ALL DAMAGED FACTORY FINISHES.
- CLEANING AND ADJUSTING: AT THE COMPLETION OF THE WORK, ALL PARTS OF THE INSTALLATION SHALL BE THOROUGHLY CLEANED. PIPE, VALVES, AND FITTINGS SHALL BE CLEANSed OF GREASE AND METAL CUTTINGS, AND SLUDGE THAT MAY HAVE ACCUMULATED BY OPERATION OF THE SYSTEM FOR TESTING. ANY STOPPAGE OR DISCOLORATION OR OTHER DAMAGE TO PARTS OF THE BUILDING, ITS FINISH, OR FURNISHING, DUE TO THE CONTRACTOR FAILURE TO PROPERLY CLEAN THE PIPING SYSTEM SHALL BE REPAIRED BY THE CONTRACTOR WITHOUT COST TO THE OWNER.

ANDERSEN
AIR FORCE BASE
GUAM



554 TH
RED HORSE
SQUADRON

554 RED HORSE SQUADRON
ENGINEERING FLIGHT
Unit: 14014
APO AP 96543-4014
Ph: (671) 366 6154
FAX: (671) 366 6145

DDA			
RHS/CC	RHS/DO	RHS/DE	

BASE CIVIL ENG.	FIRE CHIEF		
CHIEF OF ENG.	ENVIRONMENTAL	COMMUNICATION	
CHIEF OF OPS.	BIOENVIRONMENTAL	USING AGENCY	
CORROSION ENG.	GROUND SAFETY	PROG. MANAGER	

DESIGNED BY: CAPT K. DAVIS	CKD BY: SSGT D. WILLIAMS	REVIEWED BY:	SUBMITTED BY: CHIEF, ARCH. BRANCH
DWN BY:			
REVISIONS	BY	DATE	

PROJECT NO: SAKW 08-1004
COMMANDO WARRIOR SIMULATOR FACILITY
NORTHWEST FIELD
ANDERSEN AFB, GUAM

MECHANICAL NOTES, LEGEND,
ABBREVIATIONS, SYMBOLS &
DETAILS

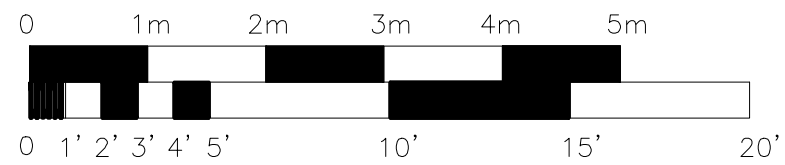
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REFERENCE
NUMBER:

M-001

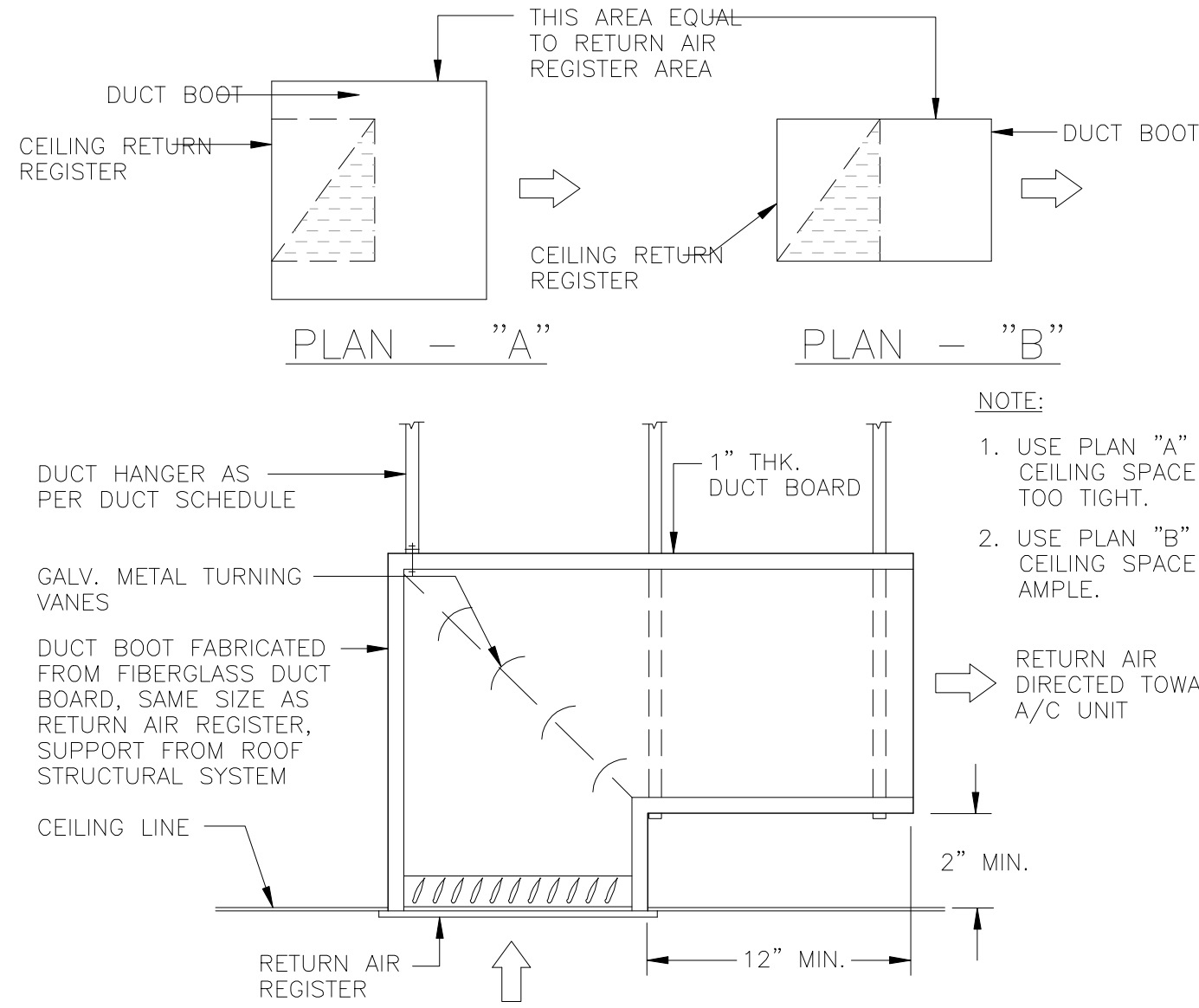
SHEET 16 OF 25

INTERNAL

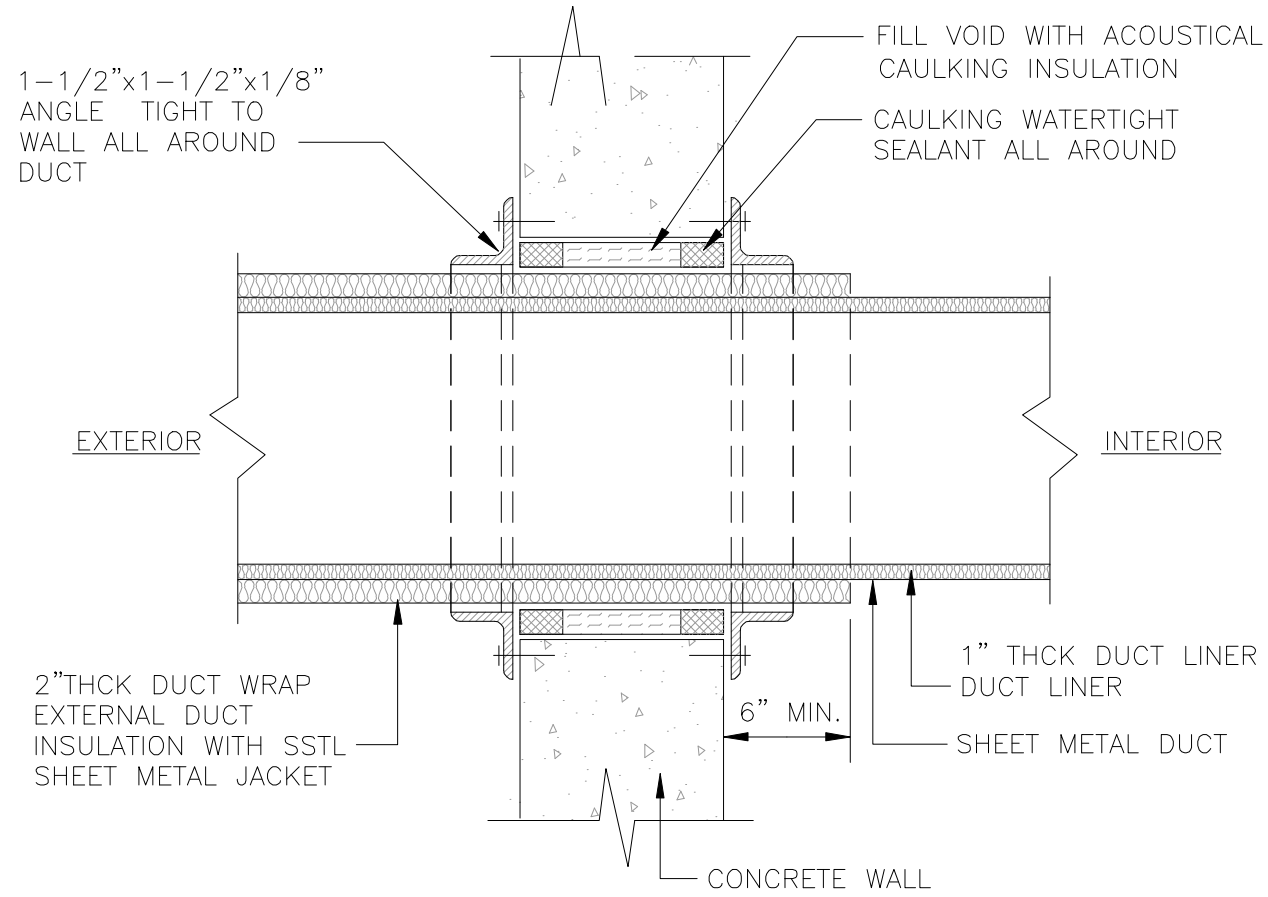
EXTERNAL



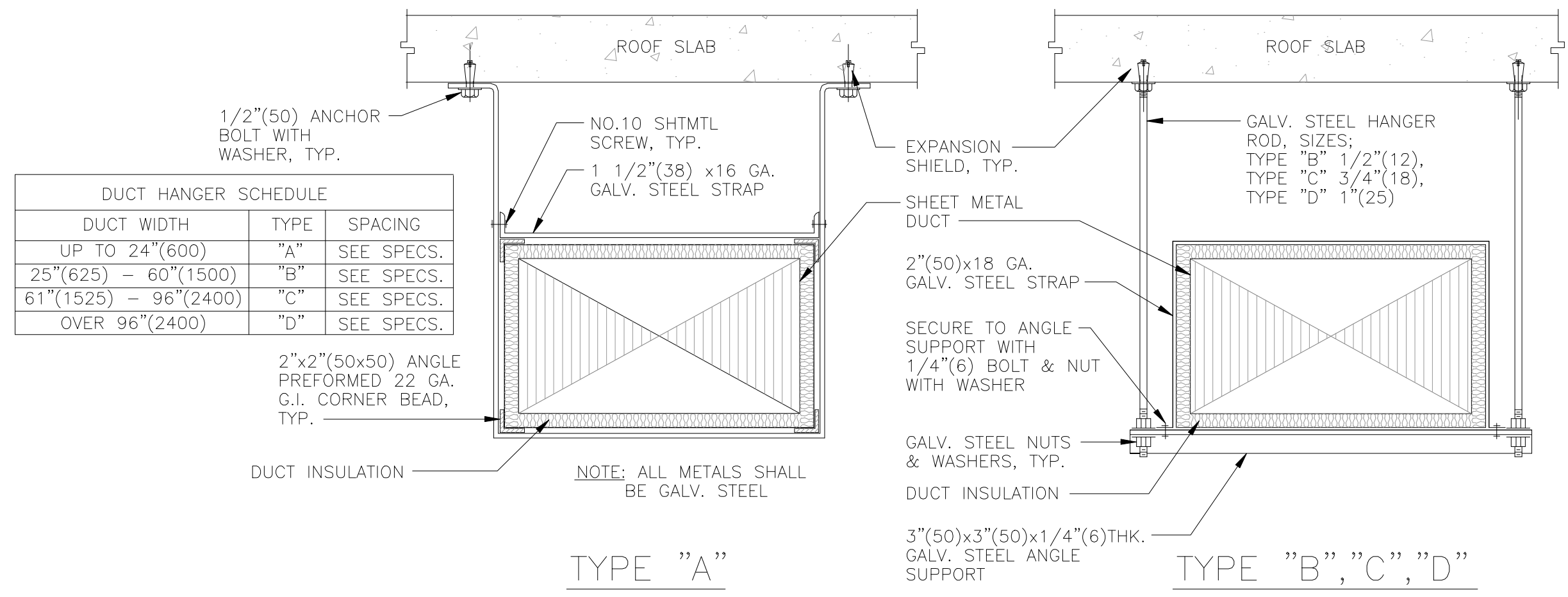
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SHEET 17 OF 25	



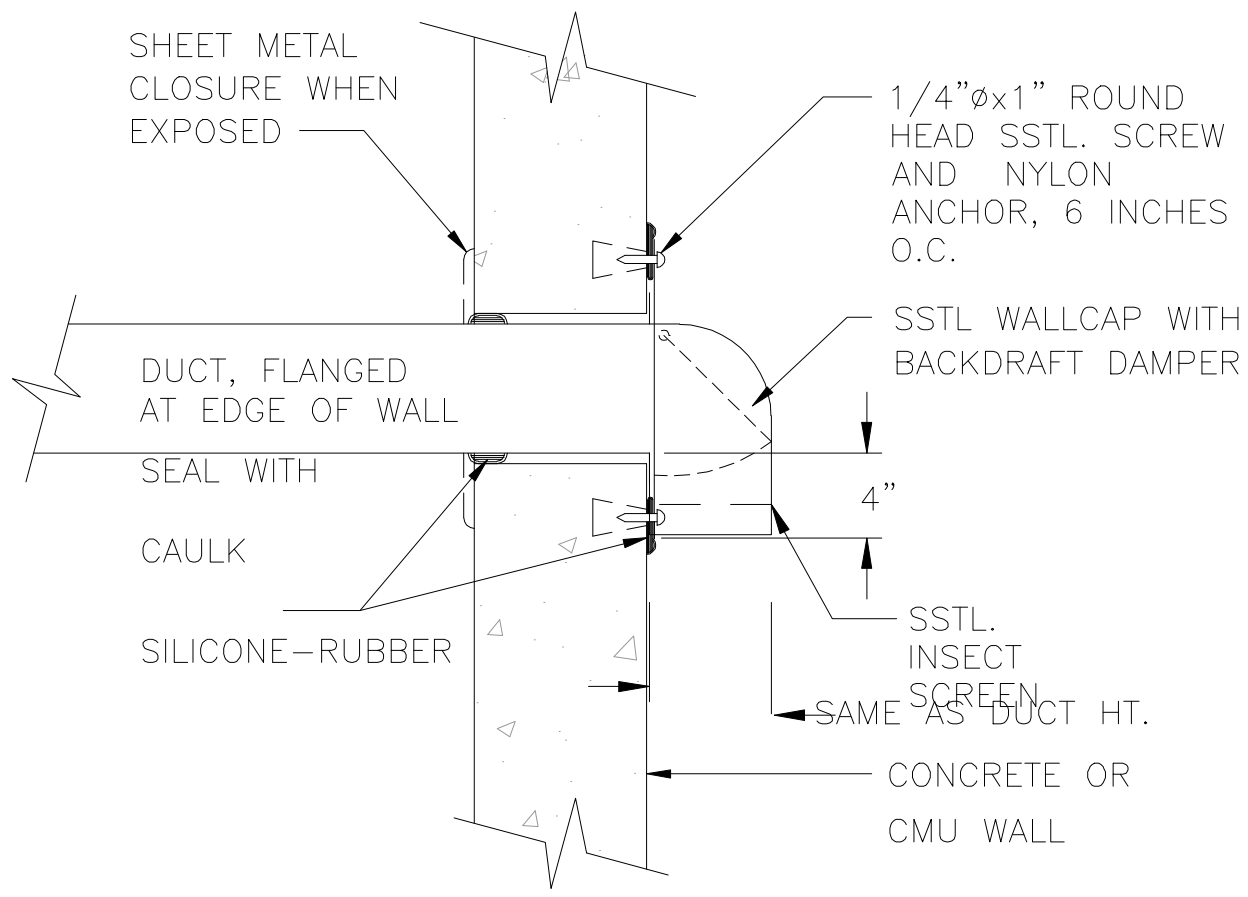
1 RETURN AIR DUCT BOOT
M003/M003 SCALE: NTS



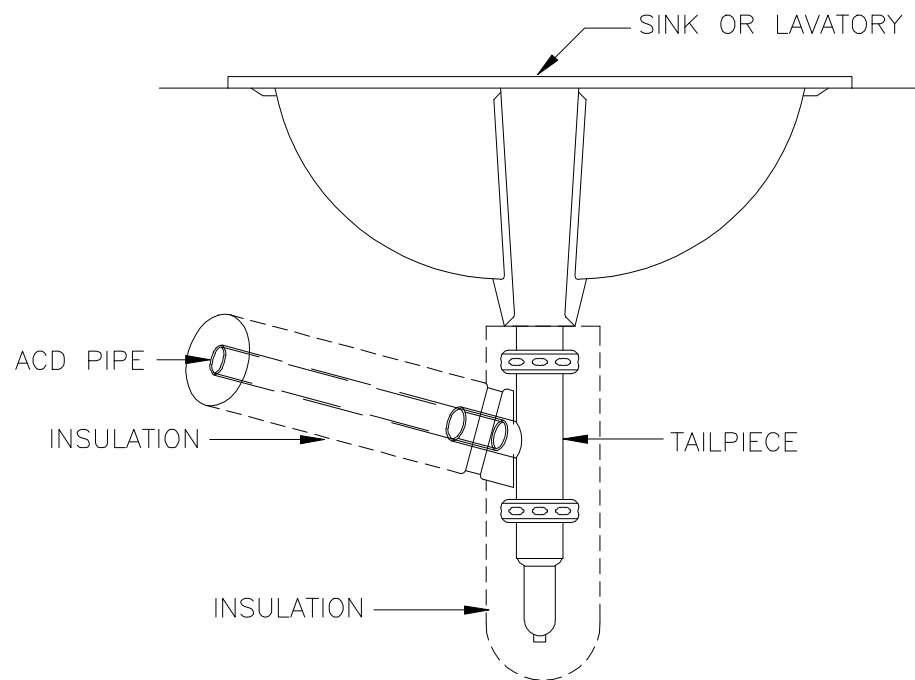
2 DUCT THRU WALL
M003/M003 SCALE: NTS



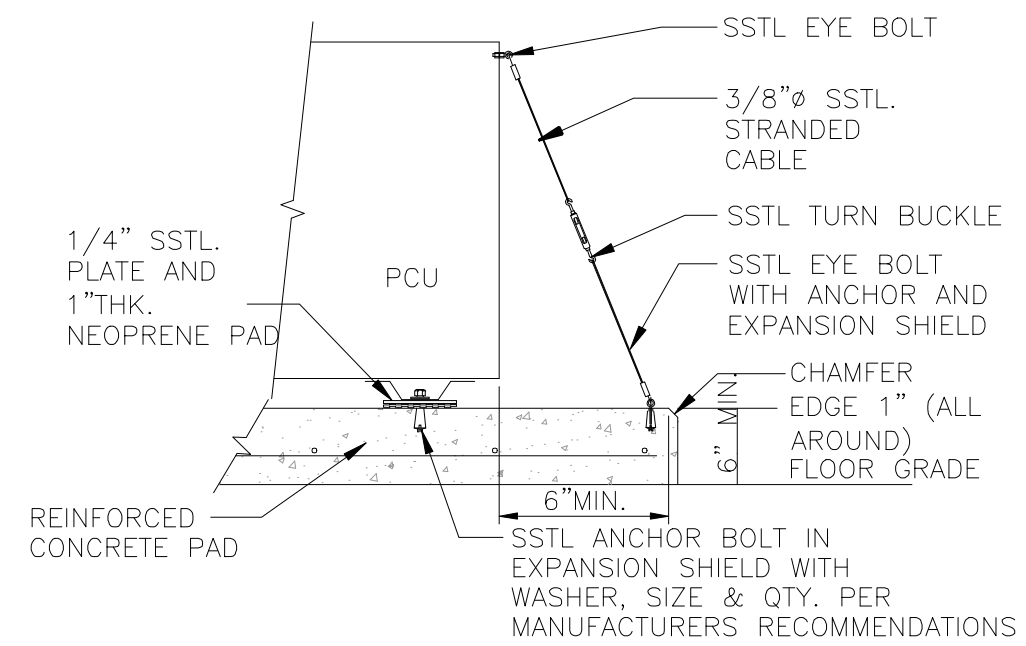
3 DUCT HANGER
M003/M003 SCALE: NTS



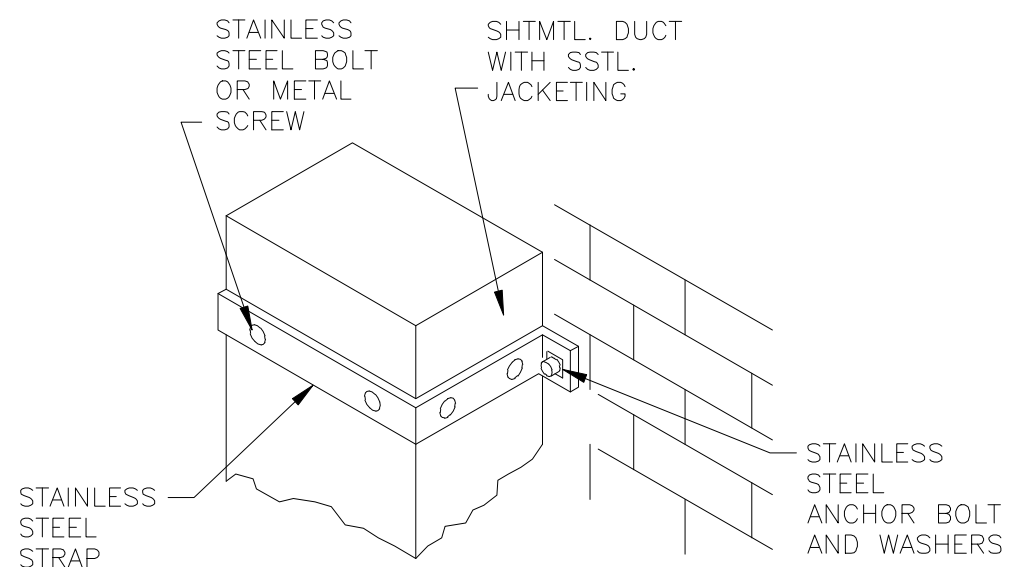
4 EA WALLCAP
M003/M003 SCALE: NTS



5 ACD TO TAIL PIECE CONNECTION
M003/M003 SCALE: NTS



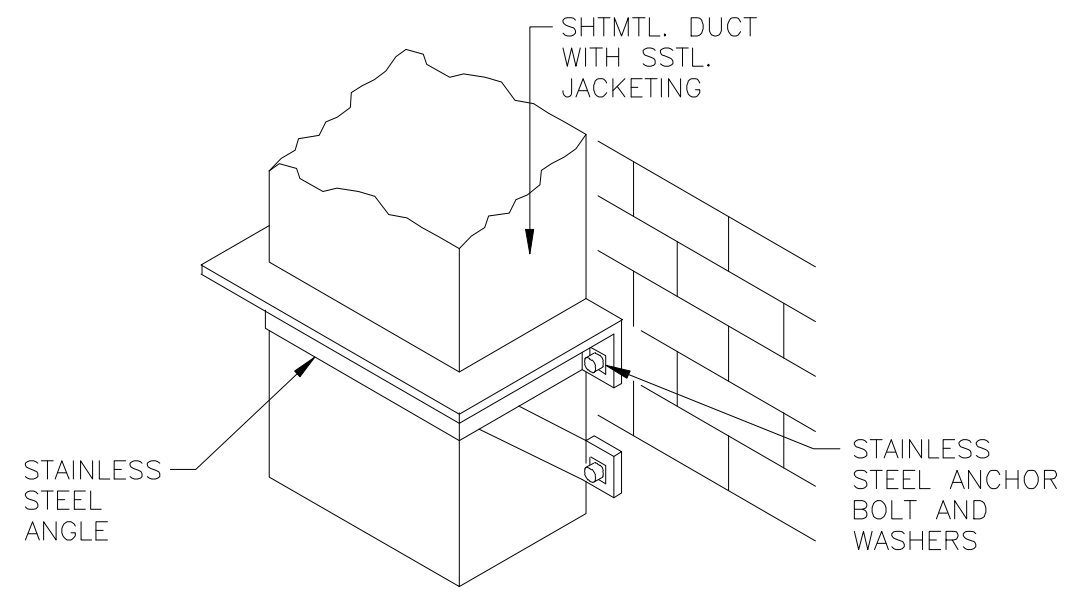
6 PCU MOUNTING DETAIL
M003/M003 SCALE: NTS



7 METAL STRAP
M003/M003 SCALE: NTS

MAX. SIDE OF DUCT	SUPPORT	VERTICAL SPACING
TO 24"	1" x 1/8" STRAP	12'-0" O.C.
OVER 24"	1" x 1" x 1/8" ANGLE	12'-0" O.C.
OVER 36"	1 1/8" x 1 1/8" x 1/8" ANGLE	12'-0" O.C.
OVER 48"	1 1/2" x 1 1/2" x 1/8" ANGLE	12'-0" O.C.
OVER 60"	2" x 2" x 1/8" ANGLE	12'-0" O.C.

8 VERTICAL DUCT SUPPORT
M003/M003 SCALE: NTS



9 METAL ANGLE
M003/M003 SCALE: NTS

INTERNAL

EXTERNAL

ANDERSEN
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GUAM

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DDA	DOC	DOP
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BASE CIVIL ENG.	FIRE CHIEF	COMMUNICATION	PROG. MANAGER
CHIEF OF ENG.	ENVIRONMENTAL	USING AGENCY	
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CORROSION ENG.	GROUND SAFETY		

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CAPT K. DAVIS			
DWN BY:			
Sstt D. WILLIAMS			
CKD BY:			
REVIEWED BY:			
SUBMITTED BY:			
CHIEF, ARCH. BRANCH			

PROJECT NO: SAKW 08-1004 COMMANDO WARRIOR SIMULATOR FACILITY NORTHWEST FIELD ANDERSEN AFB, GUAM	MECHANICAL DETAILS
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